



Nahar

POLY FILMS LTD.



PRODUCT CODE TPL		Transparent Non Heat Sealable both side & both side corona treated APPLICATION : LAMINATION.				
TECHNICAL DATA SHEET BOPP						
PROPERTIES	TEST METHOD	UNIT	POSITION	TPL10	TPL12	TPL15
PHYSICAL						
Thickness	ASTM D 374	MICRON		10	12	15
Grammage	NTM	gm/m ²		9.1	10.9	13.7
Yield	NTM	m ² /kg		109.9	91.7	73.0
Thickness variation		%(±)		3.0		
SURFACE						
Treatment Level (min)	ASTM D 2578	dyne/cm		38		
OPTICAL						
Haze	ASTM D 1003	%		1.0 - 1.5		
Gloss	ASTM D 2457	-		90 - 95		
MECHANICAL						
Coefficient Of Friction	ASTM D 1894	Static		0.40 - 0.45		
		Kinetic		0.35 - 0.40		
Tensile strength	ASTM D 882	Kg/cm ²	MD	1200 - 1700		
			TD	2400 - 2800		
Modulus	ASTM D 882	Kg/cm ²	MD	16000 - 18000		
			TD	26000 - 28000		
Elongation	ASTM D 882	%	MD	140 - 160		
			TD	40 - 60		
THERMAL						
Shrinkage at 120°C/ 5min	ASTM D 1204	%	MD	3.0 - 5.0		
			TD	1.0 - 3.0		
BARRIER						
Water Vapour Transmission Rate	ASTM F 1249	GM/M ² /24h	-	7.5 - 9.0		
Oxygen Gas Transmission Rate	ASTM D 3985	cc/M ² /24h	-	2050 - 2300		

The values given in this technical datasheet are typical performance data and are believed to be accurate. These are given in good faith but it is for the customer to satisfy of the suitability for its own particular purpose. NAHAR POLY FILMS LTD. Suggests to the customer to confirm these values and product compatibility prior to their use and the company offers neither guarantee nor accept any responsibility for the fitness of the product for any other use.

Treatment value of BOPP films tend to decay over a period of time during transportation & storage conditions. Therefore it is recommended that the customer should check the treatment levels prior to processing and if a reduction is observed then online corona treatment, high adhesive GSM & a

NTM: NAHAR TEST METHOD, MD : MACHINE DIRECTION ,TD : TRANSVERSE DIRECTION